



# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/779,939 02/09/2001		Bob Tang	4135		
7590 06/16/2004			EXAMINER		
Tang, Bob			SHAH, CHIRAG G		
17 Albert Road London, N4 3RR			ART UNIT	PAPER NUMBER	
UNITED KINGDOM			2664		
			DATE MAILED: 06/16/2004	, ク	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Examiner			Applicat	on No.	Applicant(s)					
Chirag G Shah	Office Action Summary		09/779,9	39	TANG, BOB					
The MALLING DATE of this communication appears on the cover sheet with the correspondence address  Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION.  • Etansions of time may be varieble under the provisions of 37 CFR 1.18(a). In no event, however, may a reply be timely filled • attains SX (8) MONTH'S from the mailing date of this communication. • If the period for reply is psecified above, the maximum statutory period will apply and will expire SX (9) MONTH'S from the mailing date of this communication. • If the period for reply is psecified above, the maximum statutory period will apply and will expire SX (9) MONTH'S from the mailing date of this communication. • Failute to reply within the set or sended period for reply with parties, cause the application to become ABANDONED (3.6, 51.33).  Any reply reserved patient term adjustment. See 37 CFR 1.794(b).  Status  1) □ Responsive to communication(s) filled on 09 February 2001.  2a) □ This action is FINAL.  2b) □ This action is non-final.  3) □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) □ Claim(s) 1 and 2 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) is/are objected to.  8) □ Claim(s) is/are objected to.  8) □ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on 29/01 is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action			Examine	r	Art Unit					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In on event, however, may a reply be timely filled ether SIX (6) MORTH'S from the mailing date of this communication.  I NO period for reply is perceited as each act with communication.  I NO period for reply is perceited as each act with the provision of the period for reply with the substatory minimum of thirty (30) days will be considered filmsly.  I NO period for reply is perceited as each act with the period for reply with the substatory minimum of thirty (30) days will be considered filmsly.  I NO period for reply is perceited as each act with the period for reply with the substatory minimum of thirty (30) days will be considered filmsly.  I NO period for reply is perceited as each act with the period for reply with the set of excluded period for reply with the set of the set of the set of excluded period for reply with the set of the										
THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be variable under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply septicide above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is apecified above, the maximum statutory period will apply and will explice SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the side or electrical period for reply will, systaturis, cause the application to become ABANDONECO (SUSU.S.C. § 133).  Failure to reply within the side or electrical period for reply will, systaturis, cause the application one communication.  - Failure to reply within the side of the statutory minimum of thirty (30) days will be considered timely.  - Failure to reply within the side of the statutory minimum of thirty (30) days will be considered timely.  - Failure to reply within the side of this communication.  - Failure to reply within the side of this communication, so the period will be considered to the statutory minimum of the period will be considered to the statutory minimum of the period will be considered to period will be considered timely.  - Failure to reply within the self-of the maximum statutory period will apply and will explicit Statutory.  - Failure to reply within the self-of the maximum statutory period will supply and will explicate the statutory minimum of the period will supply and will explicate the supplied to the scanning of the statutory filed or file will be period will supply and will explicate any self-of the supplied to the scanning filed or filed will be considered to the scanning filed or filed will be considered to the scanning filed or filed will be considered will be co	Period for	The MAILING DATE of this communication Reply	appears on th	e cover sheet with the c	orrespondence ad	ldress				
1) Responsive to communication(s) filed on <u>09 February 2001</u> .  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) <u>1 and 2</u> is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) <u>1-2</u> is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on <u>29001</u> is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.	THE MA - Extension after SD - If the per - If NO per - Failure t Any repl	ALLING DATE OF THIS COMMUNICATIOns of time may be available under the provisions of 37 CFI (6) MONTHS from the mailing date of this communication ricol for reply specified above is less than thirty (30) days, a ricol for reply is specified above, the maximum statutory per or reply within the set or extended period for reply will, by structived by the Office later than three months after the maximum.	ON. R 1,136(a). In no ex i. a reply within the sta riod will apply and w latute, cause the apr	ent, however, may a reply be tin tutory minimum of thirty (30) day iill expire SIX (6) MONTHS from blication to become ABANDONE	nely filed s will be considered timel the mailing date of this c D (35 U.S.C. & 133)	ly. ommunication.				
2a☐ This action is FINAL. 2b☐ This action is non-final.  3☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4☐ Claim(s) 1 and 2 is/are pending in the application.  4☐ Of the above claim(s) is/are withdrawn from consideration.  5☐ Claim(s) is/are allowed.  6☐ Claim(s) 1-2 is/are rejected.  7☐ Claim(s) is/are objected to.  8☐ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9☐ The specification is objected to by the Examiner.  10☐ The drawing(s) filed on 2/9/01 is/are: a)☐ accepted or b)☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)☐ All b)☐ Some * c)☐ None of:  1.☐ Certified copies of the priority documents have been received.	Status									
2a) This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1 and 2 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are allowed.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on 2/9/01 is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.	1)⊠ R	esponsive to communication(s) filed on 0	9 February 20	01.						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1 and 2 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed. 6)  Claim(s) 1-2 is/are rejected. 7)  Claim(s) is/are objected to. 8)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on 29/01 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received.										
A) Claim(s) 1 and 2 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) 1.2 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on 2/9/01 is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received.	3)□ Si	ince this application is in condition for allo	wance except	for formal matters, pro	secution as to the	e merits is				
4a) Of the above claim(s) is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed. 6) ☒ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) ☒ The drawing(s) filed on 29/01 is/are: a) ☒ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.	cl									
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ☒ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) ☒ The drawing(s) filed on 29/01 is/are: a) ☒ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.	Disposition	of Claims								
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ☒ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) □ The specification is objected to by the Examiner.  10) ☒ The drawing(s) filed on 29/01 is/are: a) ☒ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.	4)⊠ C	laim(s) <u>1 and 2</u> is/are pending in the appli	ication.							
6)  Claim(s) 1-2 is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on 2/9/01 is/are: a)  accepted or b)  objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1.  Certified copies of the priority documents have been received.	4a	· · · · · · · · · · · · · · · · · · ·								
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on 2/9/01 is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.	5)□ C									
8) ☐ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) ☐ The specification is objected to by the Examiner.  10) ☑ The drawing(s) filed on 2/9/01 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.	6)⊠ C	laim(s) <u>1-2</u> is/are rejected.								
Application Papers  9) ☐ The specification is objected to by the Examiner.  10) ☒ The drawing(s) filed on 2/9/01 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.		•								
9) ☐ The specification is objected to by the Examiner.  10) ☑ The drawing(s) filed on 2/9/01 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.	8)∐ Cl	aim(s) are subject to restriction ar	nd/or election r	equirement.						
10) ☐ The drawing(s) filed on 2/9/01 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.	Application	Papers								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.	9) <u></u> ⊤h	e specification is objected to by the Exam	niner.							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.	10)⊠ Th									
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.	Ap	oplicant may not request that any objection to	the drawing(s) I	oe held in abeyance. See	37 CFR 1.85(a).					
Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.				- ' '						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.	11)∐ Th	e oath or declaration is objected to by the	e Examiner. No	ote the attached Office	Action or form PT	O-152.				
a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.	Priority und	der 35 U.S.C. § 119								
a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.	12)∏ Ac	knowledgment is made of a claim for fore	eian priority un	der 35 U.S.C. & 119(a)	-(d) or (f)					
2. Certified copies of the priority documents have been received in Application No	1.									
	2.	Certified copies of the priority docum	ents have bee	n received in Application	on No					
3. Copies of the certified copies of the priority documents have been received in this National Stage	3.	Copies of the certified copies of the p	oriority docume	ents have been receive	ed in this National	Stage				
application from the International Bureau (PCT Rule 17.2(a)).			-	• • •						
* See the attached detailed Office action for a list of the certified copies not received.	* See	the attached detailed Office action for a	list of the certi	fied copies not receive	d.					
Attachment(s)	Attachman*/~\									
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)		References Cited (PTO-892)		4) Interview Summany	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date	2) 🔲 Notice of	Draftsperson's Patent Drawing Review (PTO-948)		Paper No(s)/Mail Da	ite					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application (PTO-152)  6) Other:			/08)		atent Application (PTC	)-152)				

Art Unit: 2664

#### DETAILED ACTION

#### Claim Objections

1. Claim1 objected to because of the following informalities: The limitation may not be disclosed within parentheses as in claim 1, lines 3-5 and thus, the limitation within the parentheses has not been considered. Appropriate correction is required.

#### Abstract

The abstract of the disclosure does not commence on a separate sheet in accordance with 37 CFR 1.52(b)(4). A new abstract of the disclosure is required and must be presented on a separate sheet, apart from any other text. The abstract of the disclosure is objected to because the abstract contains more than one paragraph.

Correction is required. See MPEP § 608.01(b).

#### Specification

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

### Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.

Art Unit: 2664

(d) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text are permitted to be submitted on compact discs.) or REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a). "Microfiche Appendices" were accepted by the Office until March 1, 2001.)

- (e) BACKGROUND OF THE INVENTION.
  - (1) Field of the Invention.
  - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (f) BRIEF SUMMARY OF THE INVENTION.
- (g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (h) DETAILED DESCRIPTION OF THE INVENTION.
- (i) CLAIM OR CLAIMS (commencing on a separate sheet).
- (j) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (k) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

## Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claim 1 rejected under 35 U.S.C. 102(b) as being anticipated by Hiller et al. (U.S. Patent No. 5,365,524).
- 4. Referring to claim 1, Hiller et al discloses in the abstract, claims 1 and 3, figures

  1-3, and column 1, lines 65 to column 2, lines 31a method whereby an Internet Time

  Multiplexed Circuit Connection is established enabling data communication at both ends

Art Unit: 2664

all nodes (ATM virtual circuits/access switches as disclosed in the abstract/figure 1) between source and destination at predetermined periods (125us) are pre-arranged to automatically switch incoming signals to next node (next virtual circuit) without buffering delay/route computation delay (PCM cells are converted into ATM cells for switching and transmission across network, each cell carries one PCM sample (voice data) of up to 48 different voice connection, the cells are transmitted over ATM virtual circuits, each transmitting one cell every 125us and advantageously, ATM transmission systems interface with PCM systems without adding appreciable delay and without requiring additional buffering as disclosed by Hiller et al in the abstract); establishes a Time Multiplexed Circuit Connection for the whole duration of all the predetermined periods (125us), as in the case where a simplex PSTN dedicated circuit connection (Permanent virtual circuit remains active or does not change as long as the PVC is provisioned, establishing a Time Multiplexed Circuit Connection, as disclosed in column 3, lines 1-37) has been established as claim.

## Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claim 2 rejected under 35 U.S.C. 103(a) as being unpatentable over Hiller et al in view of Lakhani et al (U.S. Patent No. 6,721,322).

Referring to claim 2, Hiller et al further discloses in figure 6 and in column 2, lines 1-24 that voice signals are transmitted to and from a common broadband platform

Art Unit: 2664

(CBP) for switching ATM cells, using such cells transmitted at a repetition rate that is the same or a sub-multiple of repetition rate of the PCM signals. Hiller et al discloses in figure 6 that each CBP has an associated ATM management module (AMM) 535 for recording and controlling the virtual connections established within the connected CBP and each of the CBPs 550 in network 10 perform only a crossconnect function carried out under the control of the connected AMM, thus, ATM management modules functions as a world wide manager. Hiller et al fails to disclose that the caller and receiving side nodes access the manager for circuit connection initializations, monitoring and releasing. Lakhani et al discloses in the figure 2 and in the abstract of a call manager (CM 30) that manages the interfaces of the nodes or circuits and may configure the interfaces to dynamically set up and release switched virtual circuits in response to signal messages form the end offices or the call manager. Therefore, it would have been obvious to one of ordinary skill in the art to modify the teachings of Hiller et al to include the features of CM as disclosed by Lakhani et al in order to dynamically establish virtual circuits via CM's configuration that serves across high usage facilities without increasing latency and overhead onto the network.

### Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

### Or faxed to:

(703)305-3988, (for formal communications intended for entry)

Or:

Art Unit: 2664

(703)305-3988 (for informal or draft communications, please label "Proposed" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chirag G Shah whose telephone number is 703-305-5639. The examiner can normally be reached on M-F 8:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 703-305-4366. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ajit Patel Primary Examiner

cgs June 10, 2004